Visual Aids 2 California Education and the Environment Initiative **Science Standards** 2.3.a. and 2.3.b. **Supports ELA Standard: Reading 2.2.7. CALIFORNIA** E Education ## Environment Initiative

The Earth Rocks

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

Key Leadership for the Education and Environment Initiative:

Linda Adams, Secretary, California Environmental Protection Agency
Patty Zwarts, Deputy Secretary for Policy and Legislation, California Environmental Protection Agency
Andrea Lewis, Assistant Secretary for Education and Quality Programs, California Environmental Protection Agency
Mark Leary, Executive Director, California Integrated Waste Management Board
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Key Partners:

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Lesson 1 The Rocky Earth

None required for this lesson.

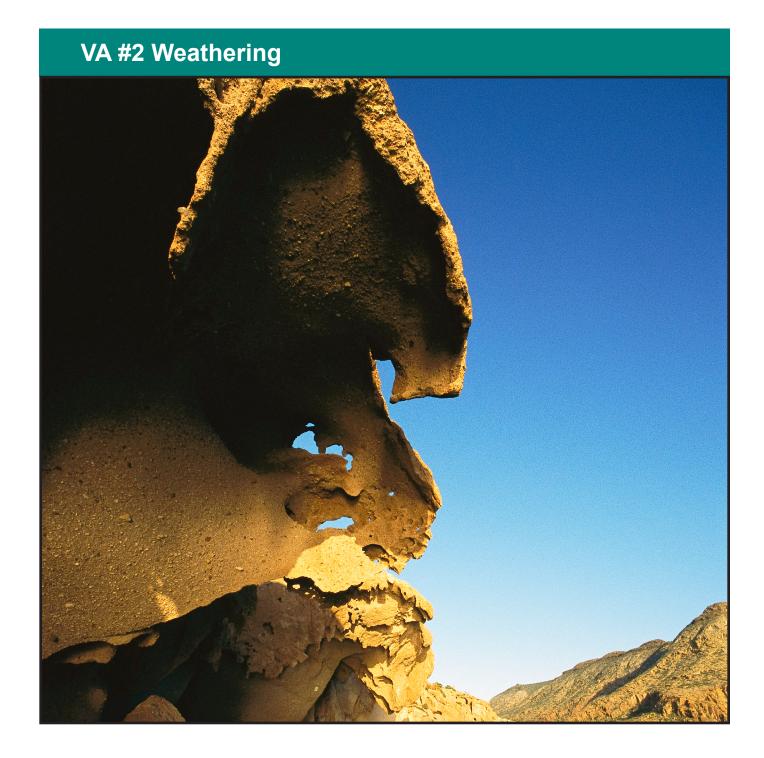
	Lesson 2 The Earth Rocks
1	Mossy Rocks in Stream
	Lesson 3 Change, Change
2	Weathering 4
3	Distant View of Mt. Ritter
4	Close-Up View of Mt. Ritter 6
5	Magnified Sand
6	Quartz 8
7	Salmon Spawning
	Lesson 4 Putting Rocks to Work

	Lesson 5 Minerals at Work
10	Properties of Minerals
11	Matching Minerals: Diamond
12	Matching Minerals: Salt
13	Matching Minerals: Bauxite
14	Matching Minerals: Graphite
15	Matching Minerals: Talc
16	Matching Minerals: Garnet

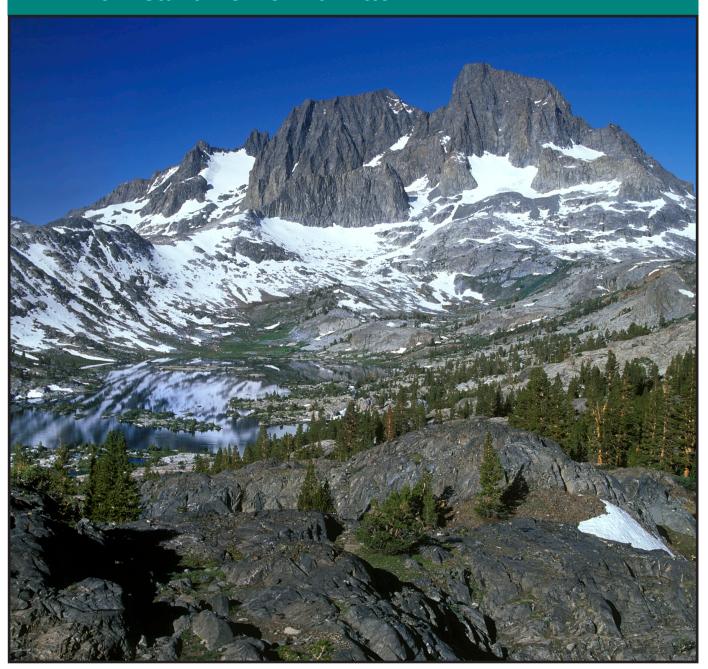
Lesson 6 People Rock!

None required for this lesson.

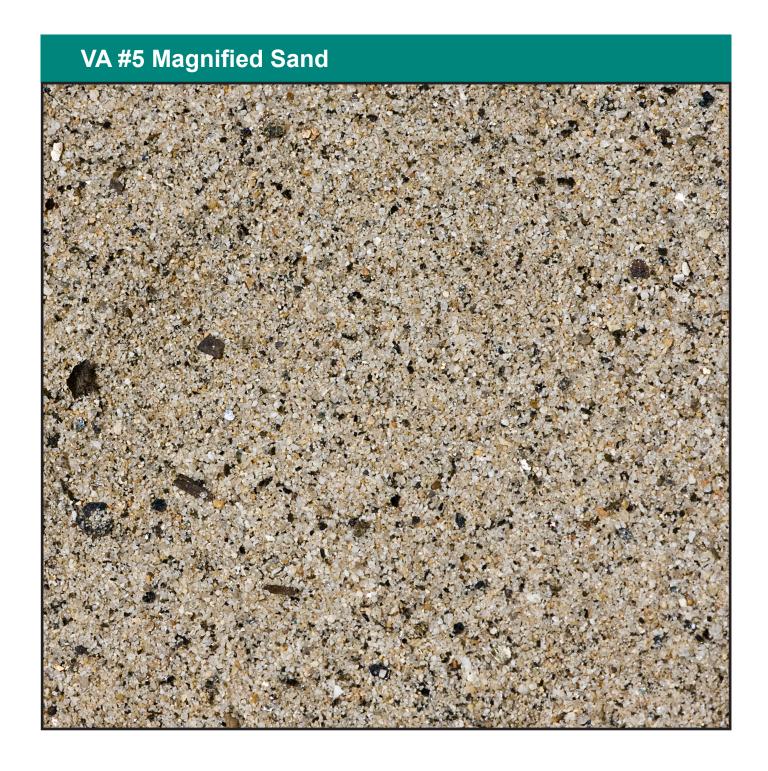




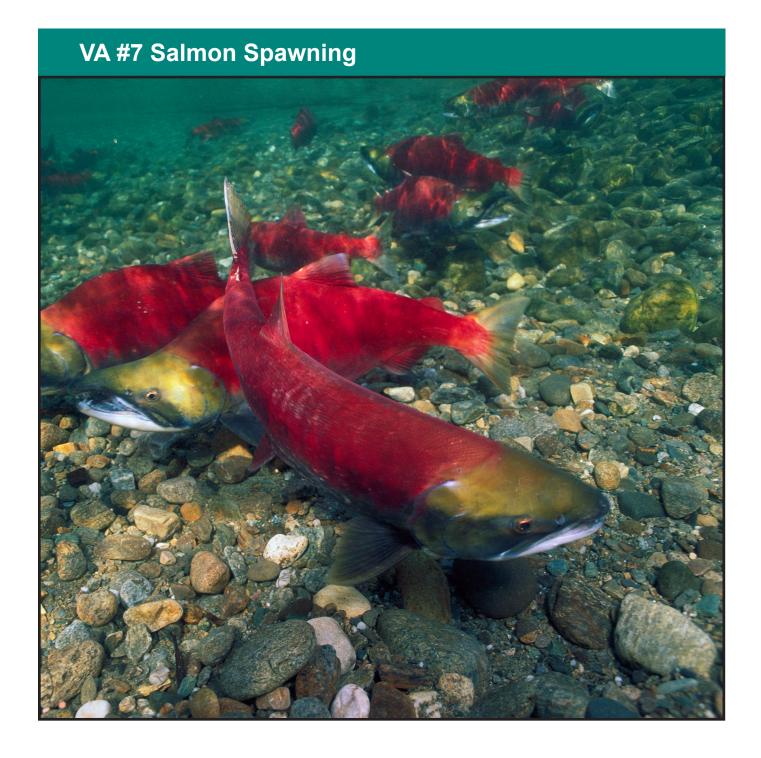
VA #3 Distant View of Mt. Ritter



VA #4 Close-Up View of Mt. Ritter





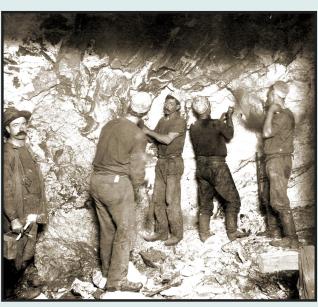


VA #8 California Gold and California Gold Mine

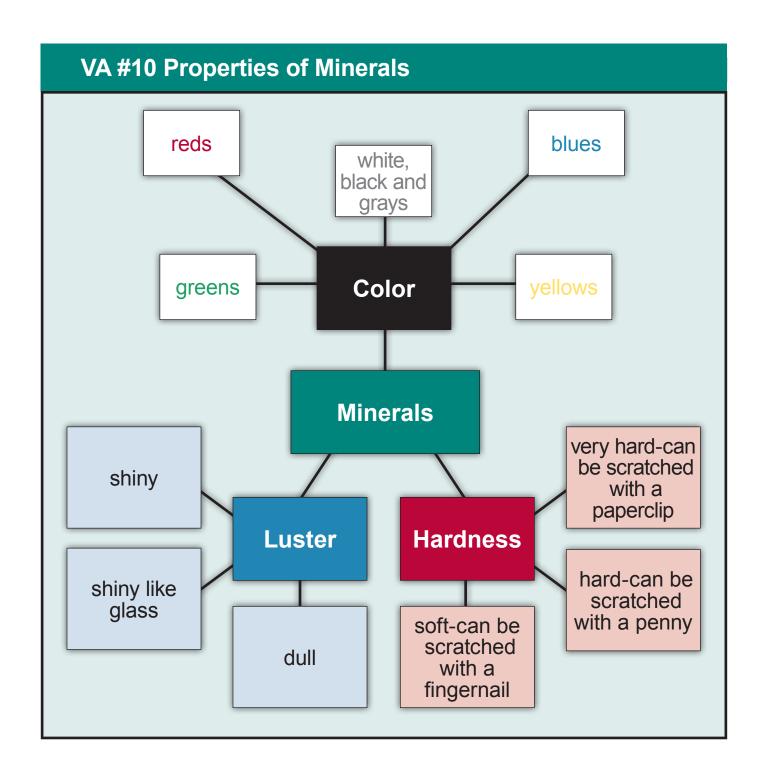




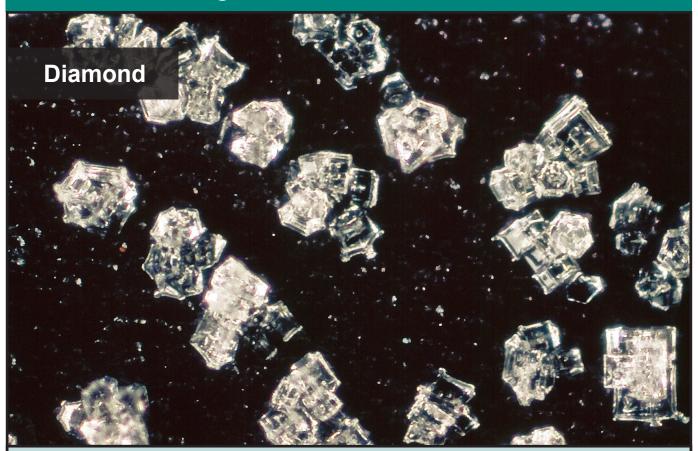




VA #9 Class Results Changed/Not Changed Bar Graph									
20									
19									
18									
17									
16									
15									
14									
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12									
11									
10									
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8									
7									
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5									
4									
3									
2									
1									
	People changed the shape or size of the rock.	People did not change the shape or size of the rock.							



VA #11 Matching Minerals: Diamond



Color: colorless, white, sometimes black

Luster: very shiny

Hardness: hardest mineral

Did you know? Many tools are made with diamond blades

because diamonds are so hard.





Color: colorless, white, many other colors

Luster: shiny like glass

Hardness: soft

Did you know? People use salt in cooking. Sometimes

they shake salt on their food after it is cooked.

VA #13 Matching Minerals: Bauxite

Bauxite



Color: white, red, gray, or yellow

Luster: dull

Hardness: soft

Did you know? Aluminium cans are made from bauxite.

They can be recycled and used over again.





Color: dark gray to black

Luster: shiny

Hardness: soft

Did you know? The filling in your pencil is made of graphite.

Write on!

VA #15 Matching Minerals: Talc

Talc



Color: white to light gray; sometimes pink, blue, green,

or black

Luster: dull

Hardness: softest mineral

Did you know? Baby powder is made from this soft mineral.



Color: deep red to brownish red

Luster: shiny like glass

Hardness: hard

Did you know? People wear jewelry made with garnets.





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